

## CLAIMS

1. A fuel assembly (1, 21) for a pressurized water nuclear reactor, the assembly comprising first nuclear fuel rods (15) having a first content by weight of gadolinium, and second nuclear fuel rods (17) having a second content by weight of gadolinium, the second content being greater than the first content, the assembly being characterized in that the first content by weight is strictly greater than 2%.
2. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 2.1%.
3. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 2.2%.
4. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 2.5%.
5. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 3%.
6. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 4%.
7. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 5%.
8. An assembly according to claim 1, characterized in that the first content by weight is greater than or equal to 8%.

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